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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/594,341	05/16/2007	Hidenori Takagi	NAI1128111	4715
CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC 1420 FIFTH AVENUE SUITE 2800 SEATTLE, WA 98101-2347		EXAMINER		
		WILSON, ALLAN R		
			ART UNIT	PAPER NUMBER
			2815	
			MAIL DATE	DELIVERY MODE
			05/01/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)					
	10/594,341	TAKAGI ET AL.					
Office Action Summary	Examiner	Art Unit					
	ALLAN R. WILSON	2815					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	ldress				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim 11 apply and will expire SIX (6) MONTHS from 12 cause the application to become ABANDONE	N. nely filed the mailing date of this c D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 16 Ma	av 2007.						
/ <u> </u>	action is non-final.						
3) Since this application is in condition for allowan		secution as to the	e merits is				
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-4 and 13-27</u> is/are pending in the ap	oplication.						
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6) Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) <u>1-4 and 13-27</u> are subject to restriction	n and/or election requirement.						
Application Papers	·						
9) The specification is objected to by the Examine	,						
10) The drawing(s) filed on is/are: a) acce		Evaminer					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119	animor. Note the attached Cines	Action of formal	0 102.				
		(1)					
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:	. In contract to the contract						
1. Certified copies of the priority documents		N-					
	2. Certified copies of the priority documents have been received in Application No						
_ .	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
See the attached detailed Office action for a list of	or the certified copies not receive	u.					
Attachment(s)	_						
1) Notice of References Cited (PTO-892)	4) Interview Summary						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P						
Paper No(s)/Mail Date	6) Other:						

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Election/Restrictions

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This application contains claims directed to more than one species of the generic

invention. These species are deemed to lack unity of invention because they are not so linked as

to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

Species I: A second layer comprised of a substance having semiconductivity.

Species II: A second layer comprised of a substance having conductivity.

Applicant is required, in reply to this action, to elect a single species to which the

claims shall be restricted if no generic claim is finally held to be allowable. The reply must

also identify the claims readable on the elected species, including any claims subsequently

added. An argument that a claim is allowable or that all claims are generic is considered non-

responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of

claims to additional species which are written in dependent form or otherwise include all the

limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after

the election, applicant must indicate which are readable upon the elected species. MPEP

§ 809.02(a).

The claims are deemed to correspond to the species listed above in the following manner:

Species I: Claims 3, 14, 17, 23 and 26.

Species II: Claims 4, 15, 18, 24 and 27

The following claim(s) are generic: 1, 2, 13, 16, 22 and 25.

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The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Semiconductor and conductive materials are patentable distinct materials.

Any inquiry concerning this communication or earlier communications from an examiner should be directed to Primary Examiner Allan Wilson whose telephone number is 571-272-1738. Examiner Wilson can normally be reached 7:00-3:30 Monday-Friday (off first Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ken Parker can be reached on 571-272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Allan R. Wilson/ Primary Examiner, Art Unit 2815